

# Converting Colors

Yxy(57.8314, 0.2536, 0.3092)

Have a look what the booklet for  
Yxy(57.8314, 0.2536, 0.3092)  
contains.

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# Color

**Yxy(57.8393, 0.2536, 0.3086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D4E4
RGB	135, 212, 228
RGB Percent	53%, 83%, 89%
CMY	0.4708, 0.1686, 0.1059
CMYK	0.41, 0.07, 0.00, 0.11
HSL	190°, 63%, 71%
HSV	190°, 41%, 89%
XYZ	47.5309, 57.8393, 82.0546
YIQ	190.8010, -51.0280, -11.3480

# Conversions

## Conversions Part 2

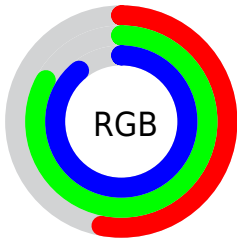
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 177, 228
Decimal	8901860
CIELab	80.65, -19.72, -15.37
CIElCh	81, 25.001, 217.924
Yxy	57.8393, 0.2536, 0.3086
Android (android.graphics.Color)	4287091940 (0xFF87D4E4)
YUV	190.8010, 18.3391, -48.9375
Hunter-Lab	76.0522, -21.5327, -10.7330

# Details

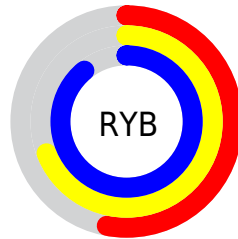
The Yxy color **57.8393, 0.2536, 0.3086** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.3504, 0.4089, 0.3480**, and the grayscale version is **51.8869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **28.7933, 0.2390, 0.3015** is the 20% darker color. If you saturate the color by 10%, you get **54.2151, 0.2417, 0.3027**, and if you desaturate by 10%, it is **61.9203, 0.2668, 0.3142**.

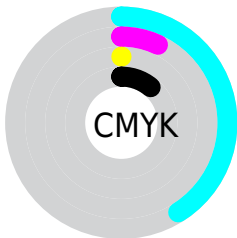
# Distribution



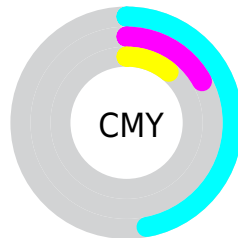
- Red (53%)
- Green (83%)
- Blue (89%)



- Red (53%)
- Yellow (69%)
- Blue (89%)



- Cyan (41%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)



- Cyan (47%)
- Magenta (17%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8393, 0.2536, 0.3086 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 57.8393, 0.2536, 0.3086 by changing the saturation by 10% instead.



■ 57.8393, 0.2536,  
0.3086

■ 57.8393, 0.2536,  
0.3086

■ 416.5869, 0.2815,  
0.3190

■ 41.6795, 0.2471,  
0.3060

■ 101.6888, 0.2634,  
0.3124

■ 28.8504, 0.2391,  
0.3026

■ 130.1473, 0.2671,  
0.3138

■ 18.9677, 0.2289,  
0.2981

■ 163.4741, 0.2704,  
0.3150

■ 11.6469, 0.2155,  
0.2919

■ 202.0536, 0.2732,  
0.3161

■ 6.5037, 0.1972,  
0.2827

■ 246.2702, 0.2756,  
0.3170

■ 3.1537, 0.1708,  
0.2682

■ 296.5084, 0.2778,

■ 1.2125, 0.1281,

0.3177

0.2431

353.1525, 0.2797,  
0.3184

0.0719, 0.0000,  
0.0581

0.0000, 0.0000,  
0.0000

57.8393, 0.2536,  
0.3086

57.8393, 0.2536,  
0.3086

54.2151, 0.2417,  
0.3027

61.9203, 0.2668,  
0.3142

51.0146, 0.2314,  
0.2967

66.4755, 0.2811,  
0.3194


48.2105, 0.2230,  
0.2905


71.5295, 0.2961,  
0.3242

45.7692, 0.2164,  
0.2843


77.1029, 0.3115,  
0.3287


 43.6504, 0.2119,  
0.2781


 83.2153, 0.3270,  
0.3327

 41.9264, 0.2090,  
0.2725

 86.5706, 0.3307,  
0.3365

 88.8442, 0.3303,  
0.3403

 91.1676, 0.3299,  
0.3441

 93.5409, 0.3294,  
0.3479

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.8393, 0.2682, 0.3391



57.8393, 0.2536, 0.3086



57.8393, 0.2538, 0.2860

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.8393, 0.2536, 0.3086



57.8393, 0.3287, 0.2940



57.8393, 0.3567, 0.3848

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



57.8393, 0.2536, 0.3086



40.3504, 0.4089, 0.3480

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



57.8393, 0.3748, 0.3688



57.8393, 0.2536, 0.3086



57.8393, 0.3585, 0.3172

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



57.8393, 0.2536, 0.3086



57.8393, 0.2958, 0.2791



57.8393, 0.3757, 0.3441



57.8393, 0.3272, 0.3853



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.8393, 0.2536, 0.3086



57.8393, 0.2623, 0.2778



57.8393, 0.3757, 0.3441



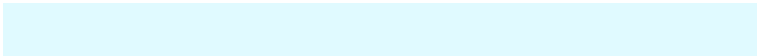
57.8393, 0.3644, 0.3809

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



57.8416, 0.2536, 0.3086



91.3437, 0.2942, 0.3237



62.8479, 0.2984, 0.4334



19.3623, 0.2922, 0.3230



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

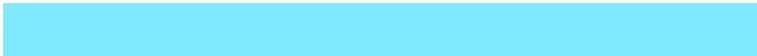


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



57.8416, 0.2536, 0.3086



70.5533, 0.2434, 0.3036



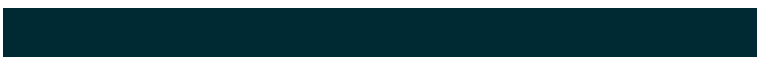
38.0056, 0.2437, 0.2462



15.8929, 0.2981, 0.3249



24.3646, 0.2093, 0.2734



1.9120, 0.2118, 0.2824



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



38.5596, 0.3324, 0.2439



43.1526, 0.3376, 0.2276



58.1641, 0.3867, 0.3993



14.5705, 0.3164, 0.3098



11.6573, 0.3696, 0.1810

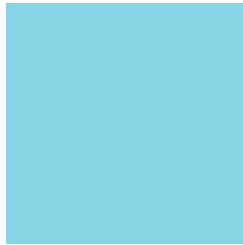


0.8727, 0.3613, 0.1764



# Previews

## White Background



This preview shows how the Yxy color 57.8393, 0.2536, 0.3086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

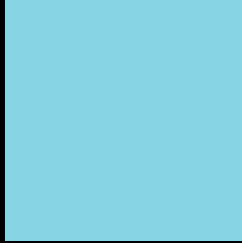
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.8393, 0.2536, 0.3086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 57.8393, 0.2536, 0.3086**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.8393, 0.2536, 0.3086.



This preview shows how white text looks on a background with the Yxy color 57.8393, 0.2536, 0.3086.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

57.8393, 0.2536, 0.3086

### Protanopia

57.3730, 0.2971, 0.3043

### Deuteranopia

57.1063, 0.2926, 0.2857



## Tritanopia

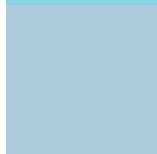
57.8950, 0.2531, 0.3074

# Trichromacy



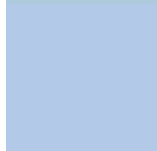
## Original Color

57.8393, 0.2536, 0.3086



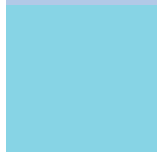
## Protanomaly

56.9845, 0.2790, 0.3058



## Deuteranomaly

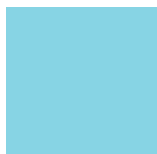
57.0078, 0.2760, 0.2932



## Tritanomaly

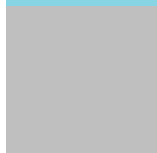
57.8950, 0.2531, 0.3074

# Monochromacy



## Original Color

57.8393, 0.2536, 0.3086



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

53.8644, 0.2882, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.8393, 0.2536, 0.3086 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(135, 212, 228)` looks like.

```
.text, #text, p{  
    color:rgb(135, 212, 228)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(135, 212, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 212, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 57.8393, 0.2536, 0.3086 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 212, 228) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(135, 212, 228) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(135, 212, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 212, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 212, 228);  
box-shadow:4px 4px 4px 4px rgb(135, 212,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.8393, 0.2536, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 212, 228) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(135,  
212, 228) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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